

File 347:JAPIO Nov 1976-2004/Oct(Updated 050209)

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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200517

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Set	Items	Description
S1	52426	(WHETHER OR IF) (5W) (PC? ? OR COMPUTER? ? OR CLIENT? ? OR N-ODE? ? OR TERMINAL? ? OR WORKSTATION? ? OR WORK()STATION? ? OR SETTOP? ? OR SET()TOP? ? OR DEVICE? ? OR MACHINE? ? OR EQUIPMENT? ? OR UNIT? ? OR APPARATUS?? OR SYSTEM? ?)
S2	3153	BUILT(2W) (MEMORY OR MEMORIES OR STOR??? OR DRIVE? ? OR DISK? ? OR DISKETTE? ? OR DISC? ? OR CDROM? ? OR CD? ?)
S3	1802	REMOVABLE(1W) (STOR??? OR DRIVE? ? OR DISK? ? OR DISKETTE? ? OR DISC? ? OR CDROM? ? OR CD? ?)
S4	49347	(HARD OR CD OR CDROM OR DVD) () (DISK? ? OR DISC? ? OR DRIVE? ?) OR (EXTERNAL OR INTERNAL) (1W) (STOR??? OR DRIVE? ?)
S5	41	S1(7N)S2:S4(7N) (DETECT??? OR DETERMIN? OR DISCERN??? OR SENSE? ? OR SENSING OR IDENTIFY??? OR IDENTIFIES? ? OR IDENTIFIED OR ASCERTAIN??? OR CHECK???)
S6	214371	(TYPE? ? OR KIND? ? OR CLASS??) (3N) (PC? ? OR COMPUTER? ? OR CLIENT? ? OR NODE? ? OR TERMINAL? ? OR WORKSTATION? ? OR WORK()STATION? ? OR SETTOP? ? OR SET()TOP? ? OR DEVICE? ? OR MACHINE? ? OR EQUIPMENT? ?)
S7	114124	(TYPE? ? OR KIND? ? OR CLASS??) (3N) (UNIT? ? OR APPARATUS?? OR SYSTEM? ?)
S8	128	(CHARG??? OR BILL OR BILLS OR BILLING OR BILLED) (5N) (ACCORDING OR BASED OR BASIS) (5N)S6:S7
S9	8	S5 AND AC=US/PR
S10	4	S9 AND AY=(1970:1998)/PR
S11	21	S5 AND PY=1970:1998
S12	21	S10:S11
S13	2055	(ACCORDING OR BASED OR BASIS) (5W)S6:S7
S14	30	(CHARG??? OR BILL OR BILLS OR BILLING OR BILLED) (5N)S13
S15	5	S14 AND AC=US/PR
S16	3	S15 AND AY=(1970:1998)/PR
S17	11	S14 AND PY=1970:1998
S18	14	S16:S17
S19	33	(CHARG??? OR BILL OR BILLS OR BILLING OR BILLED) (7N)S13
S20	3	S19 NOT S14

12/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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05331345 **Image available**
SERVER SYSTEM AND CHECK METHOD FOR DISK ARRAY

PUB. NO.: 08-286845 [JP 8286845 A]
PUBLISHED: November 01, 1996 (19961101)
INVENTOR(s): SEKI YOSUKE
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 07-107964 [JP 95107964]
FILED: April 08, 1995 (19950408)
INTL CLASS: [6] G06F-003/06; G06F-003/06; G06F-011/30; G11B-019/02;
G11B-020/10
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 42.5
(ELECTRONICS -- Equipment); 45.1 (INFORMATION PROCESSING --
Arithmetic Sequence Units)
JAPIO KEYWORD:R101 (APPLIED ELECTRONICS -- Video Tape Recorders, VTR)

ABSTRACT

PURPOSE: To easily check a connection state without imposing a load onto the system by discriminating the connection state to a control section based on a connection check result of any of plural disk devices incorporating each disk array.

CONSTITUTION: An AV server system 20 checks periodically whether or not disk arrays 27A(sub 1)-27A(sub 7) are connected in operation. At first **whether** or not a **hard disk unit** of any of the disk arrays 27A(sub 1)-27A(sub 7) is connected is **checked** and when the connection is detected, connection of other hard disk devices is sequentially checked. When the connection of all the hard disk units is recognized, it is recognized that the disk arrays 27A(sub 1)-27A(sub 7) are available. When any hard disk unit not connected is detected, the check of the succeeding hard disk units is stopped and it is discriminated that the disk array is not available. As a result, the number of times of check is considerably reduced in comparison with the check of the connection state of all the hard disk units.

12/5/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
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04089242 **Image available**
ELECTRONIC COMPUTER

PUB. NO.: 05-080942 [JP 5080942 A]
PUBLISHED: April 02, 1993 (19930402)
INVENTOR(s): HAYASHI HISAHIRO
APPLICANT(s): SEIKO EPSON CORP [000236] (A Japanese Company or Corporation)
, JP (Japan)
APPL. NO.: 03-238130 [JP 91238130]
FILED: September 18, 1991 (19910918)
INTL CLASS: [5] G06F-003/06; G06F-003/06
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units)
JOURNAL: Section: P, Section No. 1585, Vol. 17, No. 419, Pg. 65,
August 04, 1993 (19930804)

ABSTRACT

PURPOSE: To detect whether or not an unspecified number of external storage devices being connected to an electronic computer by providing a means which detects the select signals of the external storage devices by an arithmetic processing part.

CONSTITUTION: This electronic computer is provided with the means which detects the select signals of the external storage devices 10 and 12 by the CPU 1. In this case, when the CPU 1 accesses an address space where the

external storage devices 10 and 12 are possible mounted once, the CPU 1 can **detect** the select signals for the **external storage** devices 10 and 12 which are generated by themselves, so **whether** the **external storage devices** 10 and 12 are mounted or not is **detected**. Namely, the address space for input to and output from the external storage devices 10 and 12 can securely be found with extremely inexpensive components, and consequently all the external storage devices 10 and 12 to which the CPU 1 is connected can securely be detected, so the external storage devices 10 and 12 can be mounted and demounted and proper processing accompanying that can automatically be performed without any special arrangement.

12/5/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
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03982615 **Image available**
EXTENSION INTERFACE CIRCUIT

PUB. NO.: 04-347715 [JP 4347715 A]
PUBLISHED: December 02, 1992 (19921202)
INVENTOR(s): MITANI KOICHI
HOSODA KIYOSHI
APPLICANT(s): SHARP CORP [000504] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 03-149412 [JP 91149412]
FILED: May 25, 1991 (19910525)
INTL CLASS: [5] G06F-003/00
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units)
JOURNAL: Section: P, Section No. 1525, Vol. 17, No. 207, Pg. 60, April
22, 1993 (19930422)

ABSTRACT

PURPOSE: To give a function for preventing CPU from becoming the abnormal state of hang-up when an external storage device storing an application program is removed while CPU is operated in the application program to an extension interface circuit.

CONSTITUTION: The external storage device 9 storing the desired application program is set to an extension slot 8. It connects the external storage device 9 to CPU 1 by a bus 10. A state supervisory circuit 11 which **detects whether** the **external storage device** 9 is loaded on an equipment main body or not and resets CPU 1 by the detection result is provided for the extension slot 8. Then, a holding circuit 12 which holds a state after and before the reset removal operation of CPU 1 based on the output of the state supervisory circuit 11 and outputs it to the bus is provided.

12/5/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
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02759734 **Image available**
INFORMATION PROCESSOR

PUB. NO.: 01-057334 [JP 1057334 A]
PUBLISHED: March 03, 1989 (19890303)
INVENTOR(s): NAKAMURA KAZUHIRO
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 62-214030 [JP 87214030]
FILED: August 27, 1987 (19870827)
INTL CLASS: [4] G06F-009/06; G06F-015/20
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);
45.4 (INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &
Microprocessors); R139 (INFORMATION PROCESSING -- Word

Processors)

JOURNAL: Section: P, Section No. 886, Vol. 13, No. 263, Pg. 61, June 19, 1989 (19890619)

ABSTRACT

PURPOSE: To prevent a system from generating abnormal operation at the time of turning on a power supply by providing the titled device with a detecting means for detecting the initial state of an external storage device and a deciding means for deciding the stored contents of the external storage device.

CONSTITUTION: When power supply is turned on by a power supply ON device 7, whether an external storage device storing medium FD 6 is loaded to the external storage device 3 or not is detected by an initial state detecting means. At the time of detecting the loading of the FD 6, whether the FD 6 is a system disk for allowing an information processor to operate as a specific function or a document disk for a word processing function is decided. Whether the information processor is to be operated under the word processing function based upon a ROM 4 or to be operated under another function based upon a RAM 5 loaded from the FD 6 is selected and determined by a selecting means and the selected function is operated.

12/5/7 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
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02082333 **Image available**
SOFTWARE CONTROL SYSTEM IN EXTERNAL STORAGE DEVICE

PUB. NO.: 61-296433 [JP 61296433 A]
PUBLISHED: December 27, 1986 (19861227)
INVENTOR(s): NAKAGAWA KATSUYA
APPLICANT(s): NINTENDO CO LTD [352321] (A Japanese Company or Corporation),
JP (Japan)
APPL. NO.: 60-138699 [JP 85138699]
FILED: June 24, 1985 (19850624)
INTL CLASS: [4] G06F-009/06; G06F-012/14
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);
45.2 (INFORMATION PROCESSING -- Memory Units)
JOURNAL: Section: P, Section No. 580, Vol. 11, No. 164, Pg. 89, May 27, 1987 (19870527)

ABSTRACT

PURPOSE: To remove an irregular external storage device and to check the flood of inferior software by discriminating whether an external storage device is regular or not and determining whether the operation of an inner circuit in a body is allowable or not on the basis of the discriminated result.

CONSTITUTION: An IC 14 for locking the body 1 compares an operated result inputted from a key IC 24 in a ROM cartridge 2 with a result operated by the IC 14 itself. When both the results are different, the reset status of respective circuits in the body 1 is held and the execution of a game program is inhibited. When both the values coincide with each other as the compared result, the reset status of respective circuits of the body is released. Then, the ICs 14, 24 generate random numbers '1', '2', and at the random number '2', an operation expression is selected out of n kinds of expressions and random numbers '1', '2' are substituted to operate the expression. The IC 14 supplies the operated result to the IC 24 and the operated result of the IC 24 is received by the IC 14. The IC 14 compares the received result with the result of the IC 14 itself, and when both the results are different, stops a CPU 12. In case of coincidence, the IC 14 returns again to the operation for generating random numbers and repeats arithmetic processing

12/5/8 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO
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01999822 **Image available**
COMPUTER DEVICE

PUB. NO.: 61-213922 [JP 61213922 A]
PUBLISHED: September 22, 1986 (19860922)
INVENTOR(s): ISHIBASHI MASAICHI
 KIMURA NORIYOSHI
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP
 (Japan)
APPL. NO.: 60-055134 [JP 8555134]
FILED: March 19, 1985 (19850319)
INTL CLASS: [4] G06F-003/06; G06F-012/06
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 45.2
 (INFORMATION PROCESSING -- Memory Units)
JOURNAL: Section: P, Section No. 546, Vol. 11, No. 45, Pg. 62,
 February 10, 1987 (19870210)

ABSTRACT

PURPOSE: To facilitate operator's operation by checking external storage devices being connected when the external storage devices are used and displaying a check list on a display screen.

CONSTITUTION: A **checking** means 1 **detects** **whether** or not plural **external storage devices** 18(sub 1), 18(sub 2)...18(sub n) are connected to a computer respectively and output flags of flag generating means 2(sub 1), 2(sub 2)-2(sub v) are set corresponding to external storage devices which are judged by the checking means 1 to be connected to the computer. Those flags are detected by a flag detecting means 3, and a list of the connected external storage devices is generated by a list generating means 4 on the basis of the detection output of the detecting means and displayed on the screen of a display device 6 through a display control means.

12/5/9 (Item 9 from file: 347)
DIALOG(R)File 347:JAPIO
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01346917 **Image available**
AUTOMATIC IPL CONTROL SYSTEM

PUB. NO.: 59-058517 [JP 59058517 A]
PUBLISHED: April 04, 1984 (19840404)
INVENTOR(s): YASUE HIROSHI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
 (Japan)
APPL. NO.: 57-169416 [JP 82169416]
FILED: September 28, 1982 (19820928)
INTL CLASS: [3] G06F-003/00; G06F-009/06; G06F-009/24
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 45.1
 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 290, Vol. 08, No. 163, Pg. 41, July
 27, 1984 (19840727)

ABSTRACT

PURPOSE: To automate IPL and to facilitate operations by **checking whether** a **system** program is stored in an **external storage** device, and deciding on **whether** the **system** program is stored initially following the initial storage of a microprogram.

CONSTITUTION: The microprogram and system program are stored in a disk device as the external storage device, which is displayed by a volume label containing a volume name, and machine name, etc. The initial storage (IMPL) of the microprogram is carried out first and the volume label of the **external storage** device to be stored with the system program. Then, a

check on whether the system program is stored or not is made from the system program name and OS name entered in the volume label; when the system program is stored, the initial storage (IPL) of the system program is performed and when not, an end state is entered.

12/5/10 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012091775 **Image available**
WPI Acc No: 1998-508686/ 199844
XRPX Acc No: N98-396696

Computer system with array controller circuit and storage subsystem - has several hard drives in first order, determines if hard drives are rearranged into second order in storage subsystem, automatically reconfigures hard drives into second order, sees if second logical drive unit is added to store

Patent Assignee: COMPAQ COMPUTER CORP (COPQ)
Inventor: MURTHY P C; THOMPSON M J
Number of Countries: 026 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 869426	A2	19981007	EP 98302442	A	19980330	199844 B
JP 11039105	A	19990212	JP 9889812	A	19980402	199917
US 6092169	A	20000718	US 97832367	A	19970402	200037

Priority Applications (No Type Date): US 97832367 A 19970402

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 869426	A2	E	13	G06F-003/06	
Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 11039105	A		12	G06F-003/06	
US 6092169	A			G06F-012/02	

Abstract (Basic): EP 869426 A

The computer system comprises an array controller circuit connected to a storage subsystem with several hard drives configured to a first order. The array controller determines whether the hard drives have been rearranged into a second order within the storage subsystem.

The controller automatically reconfigures the hard drives into the second order. The first order compresses the logical drive unit and the controller determines if the second logical drive unit has been added to the storage subsystem. The controller automatically reconfigures the hard drives into the first logical drive unit and the second logical drive unit to incorporate the second logical drive unit.

USE - For allowing rearrangement and automatic reconfiguration of hard disk drives within storage subsystem without any storage loss.

ADVANTAGE - Can determine on power up whether hard drives have been rearranged within various hard drive positions within storage subsystem and can automatically reconfigure hard drives in storage subsystem in accordance with any repositioning that may have occurred.

Dwg. 6/8

Title Terms: COMPUTER; SYSTEM; ARRAY; CONTROL; CIRCUIT; STORAGE; SUBSYSTEM; HARD; DRIVE; FIRST; ORDER; DETERMINE; HARD; DRIVE; REARRANGE; SECOND; ORDER; STORAGE; SUBSYSTEM; AUTOMATIC; RECONFIGURE; HARD; DRIVE; SECOND; ORDER; SECOND; LOGIC; DRIVE; UNIT; ADD; STORAGE

Derwent Class: T01; T03

International Patent Class (Main): G06F-003/06; G06F-012/02

File Segment: EPI

12/5/11 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012063785 **Image available**
WPI Acc No: 1998-480696/ 199841
XRPX Acc No: N98-375088

Configuring client machine including CD-ROM drive and local hard drive in computer network - booting client from CD-ROM and determining which OS code on CD-ROM is network-generic and which is client-specific, loading only client specific on client hard drive and accessing network-generic code from CD-ROM only

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: MCBREARTY G F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5799187	A	19980825	US 96656992	A	19960528	199841 B

Priority Applications (No Type Date): US 96656992 A 19960528

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5799187	A		10 G06F-009/06	

Abstract (Basic): US 5799187 A

The client machine configuration involves booting the client machine from the compact disc ROM drive, and **detecting** from information stored on the local **hard drive whether** a version of the **client machine** was previously installed on the client machine. Client machine-specific program code is installed on the local hard drive from the compact disc ROM drive in response to the detection indicating that the version was not previously installed.

Network-generic operating system program code and the client machine-specific program code is accessed from the compact disc ROM drive and the local hard drive, respectively. During the installing and accessing steps, the compact disc ROM drive includes the network-generic program code, the network-generic program code being precluded from being installed on the local hard drive during the installation.

ADVANTAGE - More effective installation and maintenance of client machines in computer network systems, which avoids downtime by using generic operating system code on servers, which is compounded by use of multiple operating system environments, while avoiding installation of huge amounts of code on local client hard drives.

Dwg.4/5

Title Terms: CLIENT; MACHINE; CD; ROM; DRIVE; LOCAL; HARD; DRIVE; COMPUTER; NETWORK; CLIENT; CD; ROM; DETERMINE; OS; CODE; CD; ROM; NETWORK; CLIENT; SPECIFIC; LOAD; CLIENT; SPECIFIC; CLIENT; HARD; DRIVE; ACCESS; NETWORK; CODE; CD; ROM

Index Terms/Additional Words: COMPACT; DISK; DISC; COMPUTER

Derwent Class: T01

International Patent Class (Main): G06F-009/06

File Segment: EPI

12/5/14 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011377153 **Image available**
WPI Acc No: 1997-355060/ 199733
XRPX Acc No: N97-294395

Starting system of information processor - employs key distinction units to distinguish key input and sends out switch-on indication signal or device stoppage signal accordingly

Patent Assignee: NEC SHIZUOKA LTD (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9146650	A	19970606	JP 95301142	A	19951120	199733 B

Priority Applications (No Type Date): JP 95301142 A 19951120

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 9146650 A 7

Abstract (Basic): JP 9146650 A

The system includes a key input detector (10) which detects the key input at the time of switch-on. A switch-on distinction unit (1) distinguishes the switch-on mode by which setting is carried out to a memory unit (2) according to which one among a switch-on unit (3), first key distinction unit (4) and second (6) is operated. If first key distinction unit agrees with the key information at the time of switching, an indication signal is sent.

If it does not agree, a hard disk separation indication signal is sent out and a **hard disk** isolator (5) detaches a **hard disk** and sends out a device switch-on signal. If key distinction unit (6) **detects** that the key pressing state at the time of switch-on is in agreement with the key information, a switch-on indication signal is sent. If it does not agree, a device stoppage indication signal is sent out to a device stoppage unit (7).

ADVANTAGE - Enables to maintain secrecy of data.

Dwg.1/3

Title Terms: START; SYSTEM; INFORMATION; PROCESSOR; EMPLOY; KEY; DISTINCT; UNIT; DISTINGUISH; KEY; INPUT; SEND; SWITCH; INDICATE; SIGNAL; DEVICE; STOPPAGE; SIGNAL; ACCORD

Derwent Class: T01

International Patent Class (Main): G06F-001/00

International Patent Class (Additional): G06F-012/14

File Segment: EPI

12/5/18 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008793432 **Image available**

WPI Acc No: 1991-297446/ 199141

Related WPI Acc No: 1996-041767; 1996-041768; 1996-041769; 1996-041770

XRPX Acc No: N91-227918

Numerically controlled machine tool management system - disables control device when external storage device is not coupled to read-write device or identification data does not match

Patent Assignee: MITSUBISHI DENKI KK (MITQ); MITSUBISHI ELECTRIC CORP (MITQ)

Inventor: NIWA T

Number of Countries: 004 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 450647	A	19911009	EP 91105417	A	19910405	199141	B
EP 450647	A3	19920708	EP 91105417	A	19910405	199334	
US 5248924	A	19930928	US 91680180	A	19910403	199340	
US 5391968	A	19950221	US 91680180	A	19910403	199513	
			US 9363298	A	19930519		
EP 450647	B1	19960703	EP 91105417	A	19910405	199631	
DE 69120577	E	19960808	DE 620577	A	19910405	199637	
			EP 91105417	A	19910405		
JP 2000039908	A	20000208	JP 9164939	A	19910328	200018	
			JP 99201644	A	19910328		
JP 3169012	B2	20010521	JP 9164939	A	19910328	200130	
			JP 99201644	A	19910328		

Priority Applications (No Type Date): JP 9164939 A 19910328; JP 9090980 A 19900405; JP 99201644 A 19910328

Cited Patents: NoSR.Pub; 1.Jnl.Ref; EP 107291; EP 227113; EP 236506; JP 1034776; US 4536646; US 4878176; JP 1034778

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
EP 450647 A 45

Designated States (Regional): DE GB

EP 450647	A3	45	
US 5248924	A	29	G06F-015/00
US 5391968	A	28	G05B-019/00
			Cont of application US 91680180
			Cont of patent US 5248924
EP 450647	B1 E	42	G05B-019/406
Designated States (Regional): DE GB			
DE 69120577	E		G05B-019/406
			Based on patent EP 450647
JP 2000039908	A	22	G05B-019/408
			Div ex application JP 9164939
JP 3169012	B2	21	G05B-019/408
			Div ex application JP 9164939
			Previous Publ. patent JP 2000039908

Abstract (Basic): EP 450647 A

A select switch (22) disables the control device (12, 13) for the machine tool w.r.t. the connection of a read/write section (20). The read/write section operates when an external storage device (1) e.g. integrated circuit (IC) card is manually coupled to it, reading data from or writing data to the device (1).

The select switch (22) disables the control device (12, 13) when a determining section (10) detects that the external portable storage device (1) is not coupled to the read/write section (20). The switch also disables the control if the identification data input by the first input device (15) does not match that read from the IC card.

USE/ADVANTAGE - CNC system enables operator to display work directives by inserting storage medium into CNC, automatically records work of operator and disallows operation by unauthorised operators.
(45pp Dwg.No.1/27)

Title Terms: NUMERIC; CONTROL; MACHINE; TOOL; MANAGEMENT; SYSTEM; DISABLE;
CONTROL; DEVICE; EXTERNAL; STORAGE; DEVICE; COUPLE; READ; WRITING; DEVICE
; IDENTIFY; DATA; MATCH
Derwent Class: P56; T01; T06; X25

18/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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04665255 **Image available**
OPERATION CONTROL DEVICE FOR AIR-CONDITIONING DEVICE

PUB. NO.: 06-337155 [JP 6337155 A]
PUBLISHED: December 06, 1994 (19941206)
INVENTOR(s): IWATA TETSUO
TAMAKOSHI KOICHIRO
APPLICANT(s): DAIKIN IND LTD [000285] (A Japanese Company or Corporation),
JP (Japan)
APPL. NO.: 05-127020 [JP 93127020]
FILED: May 28, 1993 (19930528)
INTL CLASS: [5] F24F-011/02
JAPIO CLASS: 24.2 (CHEMICAL ENGINEERING -- Heating & Cooling)

ABSTRACT

PURPOSE: To perform computation of an air-conditioning **charge** and processing of abnormality **according** to the **kinds** of the indoor **units** .

CONSTITUTION: A centralized controller CC is connected to indoor units 3, 3,... and comprises a memory 3e to store own unit data and a data outputting means 3l to output unit data. The centralized controller CC is provided with a memory 6c to receive unit data from the indoor units 3, 3,... and store the unit data. Further, the centralized controller CC is provided with a data fetching means 72 to fetch unit data by means of a data fetching signal; an air-conditioning charge computing means 63 to calculator the air-conditioning charges of the indoor units 3, 3,... based on the unit data and the operation states of the indoor units 3, 3,...; and an air-conditioning charge fetching means 74 to fetch charge data computed by the air-conditioning charge computing means 63

18/5/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
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02699181 **Image available**
HOLOGRAPHY RECORDING AND REPRODUCING DEVICE

PUB. NO.: 63-316081 [JP 63316081 A]
PUBLISHED: December 23, 1988 (19881223)
INVENTOR(s): GUNJI YASUHIRO
OKADA TEIGO
IBAMOTO MASAHIKO
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 62-152489 [JP 87152489]
FILED: June 19, 1987 (19870619)
INTL CLASS: [4] G03H-001/04; G03H-001/22
JAPIO CLASS: 29.2 (PRECISION INSTRUMENTS -- Optical Equipment)
JAPIO KEYWORD: R002 (LASERS); R009 (HOLOGRAPHY)
JOURNAL: Section: P, Section No. 857, Vol. 13, No. 157, Pg. 104, April
17, 1989 (19890417)

ABSTRACT

PURPOSE: To integrate and make an optical system for recording and reproducing a hologram compact by applying optical path changeover switches of two systems which use liquid crystal, etc.

CONSTITUTION: A liquid crystal cell is provided which enters two switching states with an applied electric field by receiving a 1st luminous flux 1 at a certain angle of incidence to convert the 1st luminous flux 1 into single pieces of playback light 16 while splitting the 1st luminous flux 1 into a 2nd luminous flux 15 and 3rd luminous flux 14 spatially. Namely, the orientation direction of liquid crystal molecules is **charged** by a 1st

system according to the kind of the electric field applied to the liquid crystal cell to cause variation in the refractive index of the liquid crystal layer, and a 2nd system utilizes the characteristics of a polarization beam splitter as a passive element, i.e. characteristics of the reflection of an S-polarized component with electric field vibration perpendicular to an incidence surface and the transmission of a P-polarized component with parallel electric field vibration. Consequently, a holograph is recorded and reproduced by a small-sized, lightweight optical system with stability.

18/5/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
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02258881 **Image available**
ELECTROPHOTOGRAPHIC DEVICE

PUB. NO.: 62-175781 [JP 62175781 A]
PUBLISHED: August 01, 1987 (19870801)
INVENTOR(s): MIYAGAWA NOBUHIRO
APPLICANT(s): MITA IND CO LTD [000615] (A Japanese Company or Corporation),
JP (Japan)
APPL. NO.: 61-016871 [JP 8616871]
FILED: January 30, 1986 (19860130)
INTL CLASS: [4] G03G-015/02; G03G-005/08
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines)
JAPIO KEYWORD:R002 (LASERS); R004 (PLASMA); R011 (LIQUID CRYSTALS); R052
(FIBERS -- Carbon Fibers); R055 (FIBERS -- Anti-static
Fibers); R057 (FIBERS -- Non-woven Fabrics); R096 (ELECTRONIC
MATERIALS -- Glass Conductors); R116 (ELECTRONIC MATERIALS --
Light Emitting Diodes, LED)
JOURNAL: Section: P, Section No. 657, Vol. 12, No. 19, Pg. 160,
January 21, 1988 (19880121)

ABSTRACT

PURPOSE: To prevent the surface of an amorphous silicon photoconductor from being deteriorated and to improve its brush resistance by employing a non-corona type electrostatic charging electrode contact system for all electrostatic charging mechanisms and using a conductive rubber blade for electrostatic charging as a main electrostatic charging mechanism.

CONSTITUTION: The conductive rubber blade 15 has a tip part 16 which is pressed against the surface of a drum photoconductor layer 2 and the other end part is connected to a power source 18 for main electrostatic charging by a connection 17. A constant voltage based upon the conductive substrate 1 of a photosensitive body is applied to the tip 16 of the conductive rubber blade 15 for electrostatic charging and the blade tip 16 and photoconductor layer 2 move relatively to supply the electrostatic charge of the constant voltage to the surface of the photoconductor layer 2 uniformly. This device transfers a toner image to transfer paper 14 based on a non-corona system. The non-corona type electrostatic charging electrode contact system is employed for all electrostatic charging mechanisms of the electrophotographic device and then none of discharge products such as ozone and nitrogen oxide is generated, so there is neither the surface deterioration of the photosensitive layer nor the formation of a hydrophilic surface and the brush resistance of the photosensitive body is improved.

18/5/5 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016561743 **Image available**
WPI Acc No: 2004-720480/200471
Related WPI Acc No: 1996-279771; 2004-750068
XRPX Acc No: N04-571218

Postage meter device for use in communication system, has device allocating counter for charge classes to count items belonging to class, where device is imposed with postage amount limit, time limit and piece limit

Patent Assignee: ASCOM HASLER MAILING SYSTEMS INC (ASCO-N)

Inventor: BALDISSEROTTO L; LIECHTI H; MERZ P

Number of Countries: 010 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1467320	A2	20041013	EP 95308410	A	19951123	200471 B
			EP 200477034	A	19951123	

Priority Applications (No Type Date): US 94355638 A 19941214

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1467320	A2	E	30	G07B-017/02	Div ex application EP 95308410
					Div ex patent EP 717376

Designated States (Regional): BE CH DE DK FR GB IT LI NL SE

Abstract (Basic): EP 1467320 A2

NOVELTY - The device (101-1) has charge classes defined by upper and lower limits. Each of the charge classes is designed to relate to a postal class. Mail items processed by the device are tallied according to the charge classes. The device allocates a counter for each charge class to count the items belonging to the class. The device is imposed with a postage amount limit, a time limit and a piece limit.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a communications system including a postage meter device
- (b) a method of processing mail items in a postage meter device for printing postage.

USE - Used in a communication system for printing postage on a mail item.

ADVANTAGE - The device has the postage amount limit that allows controlling of the amount of credit extended to the meter user in a postpayment scheme, where the meter user is billed for meter reset amounts.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of a system for communications between a data center and postage meters.

Communication system (10)
Data center (15)
Postage meter devices (101-1-101-p)
Host computer (103)
Modems (107-1-107-m)
pp; 30 DwgNo 1/17

Title Terms: POSTAGE; METER; DEVICE; COMMUNICATE; SYSTEM; DEVICE; ALLOCATE; COUNTER; CHARGE; CLASS; COUNT; ITEM; BELONG; CLASS; DEVICE; IMPOSE; POSTAGE; AMOUNT; LIMIT; TIME; LIMIT; PIECE; LIMIT

Derwent Class: T01; T05

International Patent Class (Main): G07B-017/02

International Patent Class (Additional): G07B-017/00

File Segment: EPI

18/5/14 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009162441 **Image available**

WPI Acc No: 1992-289880/ 199235

XRPX Acc No: N92-221860

PBX with metering for internal telephones - sets up call charge billing according to terminal telephone class NoAbstract

Patent Assignee: HITACHI TELECOM TECHNOLOGY CO (HISY)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 4200061	A	19920721	JP 90333252	A	19901129	199235 B

Priority Applications (No Type Date): JP 90333252 A 19901129

Patent Details:

Patent No	Kind	Lang	Pg	Main IPC	Filing Notes
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JP 4200061	A			H04M-015/34	
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Title Terms: PBX; METER; INTERNAL; TELEPHONE; SET; UP; CALL; CHARGE; BILL;
ACCORD; TERMINAL; TELEPHONE; CLASS; NOABSTRACT

Derwent Class: W01

International Patent Class (Main): H04M-015/34

File Segment: EPI